

Formerly Used Defense Site



Tags

Department of Defense, DoD, Formerly Used Defense Site, FUDS, Environmental Hazard, Land Management, United States of America, USA

Summary

During the past 200 years, some activities supporting military readiness have resulted in the need for environmental cleanup within the United States and its territories. DoD, the U.S. Army and the U.S. Army Corps of Engineers are committed to protecting human health and the environment and improving public safety by cleaning up these properties. Formerly Used Defense Sites are properties used by the military prior to October 1986 to train and support Soldiers, airmen, sailors, and Marines, as well as to test new weapons and warfare capabilities. When no longer needed, many of these properties were cleaned up according to the best practices available at the time and then transferred to other owners such as private individuals or federal, state, tribal, or local government entities. Congress created the FUDS program in the mid-1980's. The Army oversees the program for DoD using the Corps of Engineers to identify eligible properties, investigate their condition and manage required cleanup. Teams from Corps' districts consult with state environmental and health offices, the U.S. Environmental Protection Agency, landowners and the public in performing the work. The Corps responds to DoD-generated contamination and munitions that remained on the property when it was transferred. The Corps is committed to addressing this contamination in as safe, timely, and responsive manner as possible. The more than 9,900 potential FUDS properties can range from less than an acre to tens of thousands of acres, and can be found in industrial or residential areas as well as federal or state properties. Cleanup projects are planned or ongoing at more than 3,000 of the properties evaluated for possible inclusion in the program. A single property may have more than one cleanup project. Currently, there are more than 4,600 projects with more added each year. The type of cleanup required varies from property to property, and can include cleaning up hazardous, toxic and radioactive waste sites; removing munitions and explosives of concern and munitions constituents; and doing building demolition and debris removal. The program employs a risk management approach in accomplishing the cleanup. Work also is prioritized to meet DoD goals: achieving remedy in place or remedy complete at 100 percent of the hazardous, toxic and radioactive waste sites by the end of fiscal year 2020; completing 100 percent of the preliminary assessments at military munitions response program sites by the end of fiscal year 2007; and achieving 100 percent completion of the military munitions response program site inspections by the end of fiscal year 2010. Most projects take several years to complete, and each is unique. Active communication, coordination, consultation and collaboration with property owners, state and federal regulators, tribal and local governments, and local communities are critical in planning and carrying out cleanups. The Corps works hard to keep all interested parties informed and offers opportunities for dialogue throughout all cleanup phases. FUDS program expenditures through fiscal year 2006 total \$3.9 billion. Program completion is projected at \$18.7 billion. Annual funding has been about \$250 million a year.

Description

The Department of Defense is authorized to clean up contamination, address military munitions, and to remove building/debris safety hazards caused by DoD on properties that were under the jurisdiction of the Secretary of Defense and owned by, leased by, or otherwise possessed by the United States prior to Oct. 17, 1986.

Credits

There are no credits for this item.

Use limitations

Acknowledgment of the Department of Defense (DoD), United States Army, United States Army Corps of Engineers (USACE), Argonne National Laboratory (ANL) would be appreciated in products derived from this data.

ArcGIS Metadata

Topics and Keywords

THEMES OR CATEGORIES OF THE RESOURCE environment

* CONTENT TYPE Downloadable Data

PLACE KEYWORDS United States of America, USA

THEME KEYWORDS Department of Defense, DoD, Formerly Used Defense Site, FUDS, Environmental Hazard, Land Management

Citation

* TITLE dod_formerly_used_defense_site

PUBLICATION DATE 2010-01-01

PRESENTATION FORMATS * digital map

RESPONSIBLE PARTY

ORGANIZATION'S NAME Department of Defense (DoD), United States Army, United States Army Corps of Engineers (USACE), Argonne National Laboratory (ANL)

CONTACT'S ROLE originator

Resource Details

DATASET LANGUAGES English (UNITED STATES)

STATUS completed

SPATIAL REPRESENTATION TYPE * vector

* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; ESRI ArcGIS 10.0.4.4000

ARCGIS ITEM PROPERTIES

* NAME dod_formerly_used_defense_site

* LOCATION

* ACCESS PROTOCOL Local Area Network

Extents

EXTENT

DESCRIPTION

publication date

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

TEMPORAL EXTENT

DATE AND TIME 2010-01-01

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

- * WEST LONGITUDE -113.213611
- * EAST LONGITUDE -66.988611
- * NORTH LATITUDE 48.983333
- * SOUTH LATITUDE 24.547222
- * EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

- * WEST LONGITUDE -12602881.538500
- * EAST LONGITUDE -7457138.076600
- * SOUTH LATITUDE 2820232.713700
- * NORTH LATITUDE 6272033.876600
- * EXTENT CONTAINS THE RESOURCE Yes

Resource Points of Contact

POINT OF CONTACT

INDIVIDUAL'S NAME Kevin Hlava
 ORGANIZATION'S NAME Argonne National Laboratory
 CONTACT'S POSITION GIS Assistant/Specialist
 CONTACT'S ROLE point of contact

CONTACT INFORMATION

PHONE

VOICE 1-630-252-0060

ADDRESS

TYPE both

DELIVERY POINT 9700 South Cass Avenue

DELIVERY POINT EVS/Bldg 240

CITY Argonne

ADMINISTRATIVE AREA IL

POSTAL CODE 60439

COUNTRY US

E-MAIL ADDRESS khlava@anl.gov

Resource Maintenance

RESOURCE MAINTENANCE

UPDATE FREQUENCY as needed

Resource Constraints

CONSTRAINTS

LIMITATIONS OF USE

Acknowledgment of the Department of Defense (DoD), United States Army, United States Army Corps of Engineers (USACE), Argonne National Laboratory (ANL) would be appreciated in products derived from this data.

Spatial Reference

ARCGIS COORDINATE SYSTEM

- * TYPE Projected
- * GEOGRAPHIC COORDINATE REFERENCE GCS_WGS_1984
- * PROJECTION WGS_1984_Web_Mercator_Auxiliary_Sphere
- * COORDINATE REFERENCE DETAILS

PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 3857

X ORIGIN -20037700

Y ORIGIN -30241100

XY SCALE 10000

Z ORIGIN -100000

Z SCALE 10000
M ORIGIN -100000
M SCALE 10000
XY TOLERANCE 0.001
Z TOLERANCE 0.001
M TOLERANCE 0.001
HIGH PRECISION true
WELL-KNOWN TEXT
PROJCS["WGS_1984_Web_Mercator_Auxiliary_Sphere",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137.0,298.257223563]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Mercator_Auxiliary_Sphere"],PARAMETER["False_Easting",0.0],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",0.0],PARAMETER["Standard_Parallel_1",0.0],PARAMETER["Auxiliary_Sphere_Type",0.0],UNIT["Meter",1.0],AUTHORITY ["EPSG",3857]]

REFERENCE SYSTEM IDENTIFIER

- * VALUE 3857
- * CODESPACE EPSG
- * VERSION 7.4.1

Spatial Data Properties

VECTOR

- * LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME dod_formerly_used_defense_site
* OBJECT TYPE point
* OBJECT COUNT 1736

ARCgis FEATURE CLASS PROPERTIES

- * FEATURE TYPE Simple
- * GEOMETRY TYPE Point
- * HAS TOPOLOGY FALSE
- * FEATURE COUNT 1736
- * SPATIAL INDEX TRUE
- * LINEAR REFERENCING FALSE

Distribution

DISTRIBUTOR

CONTACT INFORMATION

INDIVIDUAL'S NAME Kevin Hlava
ORGANIZATION'S NAME Argonne National Laboratory
CONTACT'S POSITION GIS Assistant/Specialist
CONTACT'S ROLE distributor

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ADDRESS

TYPE both
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CITY Argonne
ADMINISTRATIVE AREA IL
POSTAL CODE 60439
COUNTRY US
E-MAIL ADDRESS khlava@anl.gov

TRANSFER OPTIONS
ONLINE SOURCE
DESCRIPTION Public Data

DISTRIBUTION FORMAT
* NAME File Geodatabase Feature Class

TRANSFER OPTIONS
ONLINE SOURCE
LOCATION None.

Fields

DETAILS FOR OBJECT `dod_formerly_used_defense_site`
* TYPE Feature Class
* ROW COUNT 1736

FIELD OBJECTID

* ALIAS OBJECTID
* DATA TYPE OID
* WIDTH 4
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Internal feature number.

* DESCRIPTION SOURCE
ESRI

* DESCRIPTION OF VALUES Sequential unique whole numbers that are automatically generated.

FIELD LAT_DIR

* ALIAS LAT_DIR
* DATA TYPE String
* WIDTH 9
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Latitude Direction

FIELD LAT_DD

* ALIAS LAT_DD
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Latitude Decimal Degrees

FIELD COUNTY

* ALIAS COUNTY
* DATA TYPE String
* WIDTH 22
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

County Name

FIELD LAT_SEC

* ALIAS LAT_SEC
* DATA TYPE Integer
* WIDTH 4

* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Latitude Second

FIELD ACREAGE
* ALIAS ACREAGE
* DATA TYPE String
* WIDTH 9
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Acreage

FIELD LAT_DEG
* ALIAS LAT_DEG
* DATA TYPE Integer
* WIDTH 4
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Latitude Degree

FIELD MIL_DISTRI
* ALIAS MIL_DISTRI
* DATA TYPE Integer
* WIDTH 4
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
U.S. Army Corps of Engineers (USACE) Military Districts

FIELD EPA_REGION
* ALIAS EPA_REGION
* DATA TYPE Integer
* WIDTH 4
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
U.S. Environmental Protection Agency (EPA) Region Number

FIELD LONG_DD
* ALIAS LONG_DD
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Longitude Decimal Degrees

FIELD INST_ID
* ALIAS INST_ID
* DATA TYPE Integer
* WIDTH 4
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
ID Number

FIELD LONG_MIN
* ALIAS LONG_MIN
* DATA TYPE Integer

* WIDTH 4
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Longitude Minute

FIELD LONG_DEG
* ALIAS LONG_DEG
* DATA TYPE Integer
* WIDTH 4
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Longitude Degree

FIELD STATE
* ALIAS STATE
* DATA TYPE String
* WIDTH 9
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
State Name

FIELD FUDS_NUMBE
* ALIAS FUDS_NUMBE
* DATA TYPE String
* WIDTH 12
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Formerly Used Defense Site (FUDS) Number

FIELD CITY
* ALIAS CITY
* DATA TYPE String
* WIDTH 31
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
City Name

FIELD Shape
* ALIAS Shape
* DATA TYPE Geometry
* WIDTH 0
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Feature geometry.

DESCRIPTION SOURCE
ESRI

DESCRIPTION OF VALUES Coordinates defining the features.

FIELD FUDS_NAME
* ALIAS FUDS_NAME
* DATA TYPE String
* WIDTH 40
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Formerly Used Defense Site (FUDS) Name

FIELD MIL_DIVISI

- * ALIAS MIL_DIVISI
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

U.S. Army Corps of Engineers (USACE) Military Divisions

FIELD LONG_SEC

- * ALIAS LONG_SEC
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Longitude Second

FIELD LAT_MIN

- * ALIAS LAT_MIN
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Latitude Minute

FIELD LONG_DIR

- * ALIAS LONG_DIR
- * DATA TYPE String
- * WIDTH 9
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Longitude Direction

FIELD CONGRESS_D

- * ALIAS CONGRESS_D
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Congressional District Number

Metadata Details

METADATA LANGUAGE English (UNITED STATES)

SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset

SCOPE NAME * dataset

* LAST UPDATE 2012-05-23

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0

METADATA STYLE FGDC CSDGM Metadata

STANDARD OR PROFILE USED TO EDIT METADATA FGDC

CREATED IN ARCGIS 2011-12-27 15:32:25
LAST MODIFIED IN ARCGIS 2012-05-23 10:14:21

AUTOMATIC UPDATES
HAVE BEEN PERFORMED Yes
LAST UPDATE 2012-05-23 10:12:44

Metadata Contacts

METADATA CONTACT
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ORGANIZATION'S NAME Argonne National Laboratory
CONTACT'S POSITION GIS Assistant/Specialist
CONTACT'S ROLE point of contact

CONTACT INFORMATION
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Thumbnail and Enclosures

THUMBNAIL
THUMBNAIL TYPE JPG